

**To:** Rodriguez, Dante[Rodriguez.Dante@epa.gov]; Taurus Massey[tmassey@singatsepeakservices.com]  
**From:** Jeryl Gardner  
**Sent:** Wed 6/22/2016 5:17:42 PM  
**Subject:** RE: SPS Enhanced Evap Study  
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.....  
>>>>>>>  
Hey Dante,

Maybe you can combine one of our meetings with a site visit.

They should be operating the EE system through August, and into September.

So, maybe the public meeting might be another opportunity for you.

Taurus, just keep us in the loop on volumes pumped/applied, hours of operation, O&M issues and challenges/solutions, etc.

Maybe some broad met data would help put the data in context also, like wind speed, temperature, relative humidity, and any rainfall if it occurs.

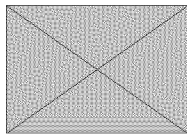
I think you have that available fairly nearby.

Thanks,

Jeryl

Jeryl R. Gardner, P.E., C.E.M.

Abandoned Mine Lands Program Coordinator  
Bureau of Corrective Actions, NDEP  
901 S. Stewart St., Ste 4001  
Carson City, NV 89701  
775-687-9484  
[jgardner@ndep.nv.gov](mailto:jgardner@ndep.nv.gov)



**From:** Rodriguez, Dante [mailto:Rodriguez.Dante@epa.gov]  
**Sent:** Wednesday, June 22, 2016 9:43 AM  
**To:** Taurus Massey  
**Cc:** Jeryl Gardner  
**Subject:** RE: SPS Enhanced Evap Study

Thanks for your efforts, Taurus. We appreciate it!

I'd like to come see the operation sometime as well. How long is the pilot test going to be running?

## Dante Rodriguez

Remedial Project Manager

U.S. EPA Region 9

75 Hawthorne Street, SFD-8-2

San Francisco, CA 94105

(415)972-3166

**From:** Taurus Massey [<mailto:tmassey@singatsepeakservices.com>]

**Sent:** Tuesday, June 21, 2016 11:57 AM

**To:** Jeryl Gardner <[JGARDNER@ndep.nv.gov](mailto:JGARDNER@ndep.nv.gov)>

**Cc:** David Davis <[drdavis@blm.gov](mailto:drdavis@blm.gov)>; Rodriguez, Dante <[Rodriguez.Dante@epa.gov](mailto:Rodriguez.Dante@epa.gov)>; Jack Oman <[Jack.Oman@bp.com](mailto:Jack.Oman@bp.com)>

**Subject:** Re: SPS Enhanced Evap Study

Jeryl,

Thanks, your comments echo our understanding as well. As you observed from the salt buildup from historic pumping, rain events do not appear to cause the salts to liquefy to the point where they end up back in the ponds.

Regards,

Taurus

**Taurus Massey**

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On Mon, Jun 20, 2016 at 4:36 PM, Jeryl Gardner <[JGARDNER@ndep.nv.gov](mailto:JGARDNER@ndep.nv.gov)> wrote:

Hi Dave,

The precipitate will not be removed.

It will stay where it is and become part of the HLP surface again.

(Remember it originates from the HLP anyway.)

Just like with the majority of the HLP surface, incipient moisture will pool, then evaporate, leaving the precipitates in the same form prior to the moisture.

This occurs pretty rapidly, from what I observed, less than a day is all it takes to crust up.

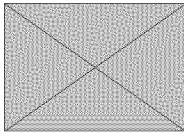
Taurus, if you have any further comments to share feel free.

It's going to be a while before I get to the video; way too much on my plate currently.

Jeryl

Jeryl R. Gardner, P.E., C.E.M.

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**From:** David Davis [<mailto:drdavis@blm.gov>]  
**Sent:** Monday, June 20, 2016 4:28 PM  
**To:** Jeryl Gardner; Dante Rodriguez; Jack Oman  
**Cc:** Taurus Massey  
**Subject:** RE: SPS Enhanced Evap Study

Thanks for the update Jeryl. Glad to hear that the precipitate shouldn't be carried away by the wind. So what happens to the crusted precipitate on top of the help? Is it removed and if not, can it go back into solution with a rain event, thus adding it back to the system? Looking forward to seeing the video.

Dave

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

From: Jeryl Gardner <[JGARDNER@ndep.nv.gov](mailto:JGARDNER@ndep.nv.gov)>

Date: 6/20/16 12:58 PM (GMT-08:00)

To: Dave Davis <[drdavis@blm.gov](mailto:drdavis@blm.gov)>, Dante Rodriguez <[rodriguez.dante@epa.gov](mailto:rodriguez.dante@epa.gov)>, Jack Oman <[Jack.Oman@bp.com](mailto:Jack.Oman@bp.com)>

Cc: Taurus Massey <[tmassey@singatsepeakservices.com](mailto:tmassey@singatsepeakservices.com)>

Subject: SPS Enhanced Evap Study

----- Original message -----

From: Jeryl Gardner <[JGARDNER@ndep.nv.gov](mailto:JGARDNER@ndep.nv.gov)>

Date: 6/20/16 12:58 PM (GMT-08:00)

To: Dave Davis <[drdavis@blm.gov](mailto:drdavis@blm.gov)>, Dante Rodriguez <[rodriguez.dante@epa.gov](mailto:rodriguez.dante@epa.gov)>, Jack Oman <[Jack.Oman@bp.com](mailto:Jack.Oman@bp.com)>

Cc: Taurus Massey <[tmassey@singatsepeakservices.com](mailto:tmassey@singatsepeakservices.com)>

Subject: SPS Enhanced Evap Study

Hi,

I was at the Anaconda Site last Wednesday, and witnessed the EE Study operations, among other things.

The precipitates generated after drying out are heavily crusted and agglomerated, so the chances of them being wind-blown are next to zero.

The system itself operated effectively, especially the "atomizer" spray heads, which SPS is converting all heads to.

We watched it operate in a steady 20 mph wind, and it still functioned well.

I inspected sprinkler heads for precipitate build up and there was essentially none.

For now anyway, I think our original worries of system O&M challenges are much less, if not completely put to rest.

Time will tell, but the system is working very well now.

I took a video but haven't had a chance to download it yet.

PS: OU-4 drilling operations were progressing smoothly, on schedule.

Jeryl

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